

IN THE CLAIMS

Please cancel claims 2, 14, and 22. Please amend claims 1, 8, 13, and 21 as indicated below.

1. (Currently Amended) A method of generating a snapshot of first storage that is logically subdivided into a plurality of blocks, the method comprising:
 - on initiating the snapshot, initially copying to snapshot storage the content of a portion of the first storage that includes at least one block and recording in a copy map a copied indication for each copied block;
 - in response to any write request to a block for which no copied indication has been recorded in the copy map, copying to the snapshot storage the content of the block, prior to writing to it, and recording in the copy map a copied indication for the copied block; and
 - successively copying to the snapshot storage the content of other blocks for which no copied indication has been recorded in the copy map and recording in the copy map a copied indication for each copied block, until the content of the plurality of blocks have been copied to the snapshot storage;
 - wherein the initially copied storage portion includes one or more blocks containing part of an operating system kernel.
2. (Cancelled).
3. (Original) The method of claim 1, wherein the copy map is held in the first storage and the initially copied storage portion includes any block containing part of the copy map.
4. (Original) The method of claim 1, wherein the copy map is held separately from the first storage.

5. (Original) The method of claim 1, wherein the initially copied storage portion includes any block that can be written to by an IO DMA operation.
6. (Original) The method of claim 1, wherein the copy map contains an indicator bit for each block of the first storage.
7. (Original) The method of claim 6, wherein an indicator bit is set to form a copied indication for a block.
8. (Currently Amended) The method of claim 1, wherein the first storage and ~~the a~~ second storage are formed from respective parts of a memory.
9. (Original) The method of claim 1, wherein the first storage is a memory and the snapshot storage is separate from the memory.
10. (Original) The method of claim 8, wherein the memory is a processor main memory.
11. (Original) The method of claim 8, wherein each block is a page of the first storage.
12. (Original) The method of claim 1, wherein the successive copying to the snapshot storage of the content of other blocks is performed as a background processing task.
13. (Currently amended) A carrier medium comprising program instructions, wherein the program instructions are executable:
 - on initiating ~~the a~~ snapshot, initially to copy to snapshot storage the content of a portion of ~~the a~~ first storage that includes at least one block and recording in a copy map a copied indication for each copied block;

- in response to any write request to a block for which no copied indication has been recorded in the copy map, to copying to the snapshot storage the content of the block, prior to writing to it, and to recording in the copy map a copied indication for the copied block; and
- successively to copying to the snapshot storage the content of other blocks for which no copied indication has been recorded in the copy map and recording in the copy map a copied indication for each copied block, until the content of the plurality of blocks has been copied to the snapshot storage;
- wherein the initially copied storage portion includes one or more blocks containing part of an operating system kernel.

14. (Cancelled).
15. (Previously Presented) The carrier medium of claim 13, wherein the copy map is held in the first storage and wherein the initially copied storage portion includes any block containing part of the copy map.
16. (Previously Presented) The carrier medium of claim 13, wherein the copy map is held separately from the first storage.
17. (Previously Presented) The carrier medium of claim 13, wherein the initially copied storage portion includes any block that can be written to by an IO DMA operation
18. (Previously Presented) The carrier medium of claim 13, wherein the copy map contains an indicator bit for each block of the first storage and wherein an indicator bit is set to form a copied indication for a block.
19. (Previously Presented) The carrier medium of claim 13, wherein the successive copying to the snapshot storage of the content of other blocks is performed as a background processing task.

20. (Cancelled)
21. (Currently Amended) A computer system comprising:
- first storage that is logically subdivided into a plurality of blocks;
 - snapshot storage for holding a snapshot of the first storage; and
 - a snapshot generator for generating a snapshot of the first storage, the snapshot generator being operable, on initiating the snapshot to
 - initially copying to the snapshot storage the content of a portion of the first storage that includes at least one block and recording in a copy map a copied indication for each copied block;
 - in response to any write request to a block for which no copied indication has been recorded in the copy map, copying to the snapshot storage the content of the block, prior to writing to it, and recording in the copy map a copied indication for the copied block; and
 - successively copying to the snapshot storage the content of other blocks for which no copied indication has been recorded in the copy map and recording in the copy map a copied indication for each copied block, until the content of the plurality of blocks has been copied to the snapshot storage;
 - wherein the initially copied storage portion includes one or more blocks containing part of an operating system kernel.
22. (Cancelled).
23. (Original) The computer system of claim 21, wherein the copy map is held in the first storage and the initially copied storage portion including any block containing part of the copy map.
24. (Original) The computer system of claim 21, wherein the copy map is held separately from the first storage.

25. (Original) The computer system of claim 21, wherein the initially copied storage portion includes any block that can be written to by an IO DMA operation.
26. (Original) The computer system of claim 21, wherein the copy map contains an indicator bit for each block of the first storage.
27. (Original) The computer system of claim 21, wherein an indicator bit is set to form a copied indication for a block.
28. (Original) The computer system of claim 21, wherein the first storage and the second storage are formed from respective parts of a memory.
29. (Original) The computer system of claim 21, wherein the first storage is a memory and the snapshot storage is separate from the memory.
30. (Original) The computer system of claim 28, wherein the memory is a processor main memory.
31. (Original) The computer system of claim 28, wherein each block is a page of the first storage.
32. (Original) The computer system of claim 21, wherein the successive copying to the snapshot storage of the content of other blocks is performed as a background processing task.